

Proposal Full View

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Applicant Information

Organization Name Placer County Flood Control & Water Conservation District - *

Tax ID **690930630**

Proposal Name American River Basin IRWM Stormwater Flood Management Grant Proposal – Antelope Creek Improvement Project *

Proposal Objective The primary goal of this Proposal is to implement the current stormwater-related priority projects that best contribute to meeting the ARB IRWM stormwater management objectives. The Antelope Creek Improvement Project will provide regional flood control benefits to critically-impacted areas of Roseville and unincorporated Placer County; improve an existing recreational corridor through the enhancement of an existing multi-purpose public train system; increase groundwater recharge in shallow aquifers underlying Antelope Creek, restore creek and riparian habitat, and improve water quality in Clover Valley Reservoir, Clover Valley Creek and Antelope Creek through the reduction of sedimentation in the Clover Valley Reservoir and downstream water courses. *

Budget

Other Contribution	\$0.00
Local Contribution	\$2,919,874.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$2,919,873.00 *
Total Project Cost	\$5,839,747.00 *

Geographic Information

Latitude * DD(+/-) MM SS

Longitude * DD(+/-) MM SS

Longitude/Latitude Clarification

Location

At the City of
Roseville and north
of the Loomis and
west of Newcastle

County

Placer *

Ground Water Basin

Sacramento Valley-North American

Hydrologic Region

Sacramento River

Watershed

American River

Legislative Information

Assembly District 4th Assembly District *

Senate District 4th Senate District *

US Congressional District District 4 (CA) *

Project Information

Project Benefits Information

Project Name

Antelope Creek Improvement Project

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Control/Protection Corridor	8.60	The new weirs installed as part of Phases 1 and 2 of the Antelope Creek Improvement Project will impound approximately 8.6 acres of land in Antelope Creek, providing a 1,000 cfs reduction in peak flows during a 100-year storm event.
Primary	Flood Protection	496	The new weirs installed as part of Phases 1 and 2 of the Antelope Creek Improvement Project will provide a 1,000 cfs reduction in peak flows and eliminate overtopping during a 100-year storm event. This will protect approximately 496 acres of land within the City of

			Roseville that have historically flooded during such events.
Primary	Erosion Control-Land Erosion	1300	As part of Phase 3 of the Antelope Creek Improvement Project, a pipeline will be constructed to convey the water from the Antelope Canal to the reservoir to reduce or eliminate erosion that is currently occurring in 1,300 feet of unlined reach.
Primary	Sediment Removal-Amount removed	9600	Phase 3 of the Antelope Creek Improvement Project will remove 9,600 yards of sediment from Clover Valley Reservoir.
Primary	Sediment Removal-Water Quality Improvement	5.90	Dredging of Clover Valley Reservoir as part of this project will restore 5.9 acre feet of operational storage to the PCWA water system and improve water quality (reduce turbidity and suspended sediments) in reservoir water.
Primary	Water Storage -- Surface-Other	5.90	Dredging of Clover Valley Reservoir as part of this project will restore 5.9 acre feet of operational storage to the PCWA water system and improve water quality (reduce turbidity and suspended sediments) in reservoir water.
Secondary	Public Access/Recreation	0	This project will provide a community node/trailhead improvements with parking in addition to other trail system improvement such as benches. This will improve public access to the trail system.
Secondary	Ecosystem: Riparian Habitat	0	In-stream improvements constructed as part of the Antelope Creek Improvement Project will include bank re-contouring to ensure overbank flows, specific habitat enhancements for fisheries, removal of invasive plant species and replanting with natives. Select in-stream habitat improvements will be incorporated to enhance and protect two threatened and endangered fish species, including Chinook salmon and Central Valley Steelhead.
Secondary	Eradication/Treatment of Invasive Species	10	In-stream improvements constructed as part of the Antelope Creek Improvement Project will include bank re-contouring to ensure overbank flows, specific habitat enhancements for fisheries, removal of invasive plant species and replanting with natives. This will occur over approximately 10 acres in which the project will be constructed.
Secondary	Interpretive Enhancements-Educational	0	This project will add interpretative signs along the existing Antelope Creek trail.
Secondary	Trail construction/Improvement	0	This project will provide a community node/trailhead improvements with parking in addition to other trail system improvement such as benches.

Budget

Other Contribution
Local Contribution

0
2919874

Federal Contribution	<input type="text" value="0"/>		
Inkind Contribution	<input type="text" value="0"/>		
Amount Requested	<input type="text" value="2919873"/>		
Total Project Cost	<input type="text" value="5839747"/>		
Geographic Information			
Latitude DD(+/-)	<input type="text" value="38"/>	MM <input type="text" value="45"/>	SS <input type="text" value="31"/>
Longitude DD(+/-)	<input type="text" value="121"/>	MM <input type="text" value="15"/>	SS <input type="text" value="56"/>
Longitude/Latitude Clarification	<input type="text" value="At the City of Roseville and north of"/>		
County	<input type="text" value="Placer"/>		
Ground Water Basin	<input type="text" value="Sacramento Valley-North American"/>		
Hydrologic Region	<input type="text" value="Sacramento River"/>		
WaterShed	<input type="text" value="American River"/>		

Legislative Information

Assembly District	<input type="text" value="4th Assembly District"/>
Senate District	<input type="text" value="4th Senate District"/>
US Congressional District	<input type="text" value="District 4 (CA)"/>

Section : Applicant Information Question Tab**APPLICANT INFORMATION QUESTION TAB****Q1. PROPOSAL DESCRIPTION**

Provide a brief abstract of the Proposal, including a listing of individual project titles or types.

The Antelope Creek Improvement Project is a collaboration between Placer County Water Agency (PCWA) and Placer County Flood Control and Water Conservation District (District). This multi-objective regional flood control, water supply and water quality improvement project is located within the Dry Creek Watershed area of the American River Basin and will be completed in three phases. The project will meet multiple planning objectives by improving water supply and water quality, increasing flood protection, restoring local ecosystems and expanding an existing public recreation corridor. Phases 1 and 2 of this multi-purpose effort include a regional flood control project on Antelope Creek, a major tributary of the larger Dry Creek. Through the design and construction of two on-channel weirs along an existing open space-protected reach of the creek, the project will provide flood control and flood damage reduction benefits to repeatedly damaged areas of downtown Roseville. The project will reduce peak flood flows over a wide range of flood events, improve the timing of flood flows, enhance existing riparian corridor ecosystems, and improve water quality through groundwater recharge and the natural treatment of temporarily-stored flood waters within the floodplain. Both ecosystem restoration and public recreational opportunities will be enhanced wherever possible within the floodplain of Antelope Creek, which currently includes a multi-purpose public trail system. In-stream improvements will include bank re-contouring to ensure overbank flows, specific habitat enhancements for fisheries, removal of invasive plant species and replanting with natives. An interpretive trail sign system and a public trailhead/community node are also proposed to improve access to the multi-purpose trail system while helping to educate the public on the project.

The Antelope Creek Improvement Project also includes improvements to the upstream Clover Valley Reservoir (Phase 3), which regulates water deliveries in the lower Antelope Canal and Creek and is operated by PCWA. The unlined portion of the Antelope Canal, near the Union Pacific Railroad track crossing, feeds the reservoir and has experienced severe erosion and down-cutting causing the reservoir to become silted and impairing the reservoir capacity. This phase of the project will construct a pipeline to convey the water from the Antelope Canal to the reservoir to reduce or eliminate erosion, and will include dredging of the reservoir to remove existing sediment and silt, restoring reservoir capacity and improving water quality both in the reservoir and in the downstream Clover Valley Creek and Antelope Creek, including the reaches of Antelope Creek through Phases 1 and 2 of the project.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Ken Grehm Executive Director Placer County Flood Control and Water Conservation District 530-745-7510 KGrehm@placer.ca.gov

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Brian Keating District Manager Placer County Flood Control and Water Conservation District 530-745-7592 BKeating@placer.ca.gov

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

Placer County Flood Control and Water Conservation District 3091 County Center Drive, Suite 220 Auburn, CA 95603

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

Sacramento River Funding Area

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD

(S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

http://www.waterboards.ca.gov/waterboards_map.shtml

Central Valley Sacramento RWCQB

Q7.**ELIGIBILITY**

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes, American River Basin. Additionally, a portion of the project is also within the Cosumnes-American-Bear-Yuba (CABY) IRWM region. This project has been vetted with the CABY IRWM Region.

Q8.**ELIGIBILITY**

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

Yes.

Q9.**ELIGIBILITY**

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

Placer County Water Agency (PCWA)

Q10.**ELIGIBILITY**

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

Yes, PCWA has completed a 2005 UWMP which has been verified by DWR as complete. PCWA will complete and submit an updated 2010 UWMP by July 1, 2011, consistent with the 2010 UWMP Guidebook, for verification by DWR prior to execution of a grant agreement.

Q11.**ELIGIBILITY**

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

PCWA submitted AB1420 supporting documentation as part of the American River Basin's Prop 84 Implementation Grant Application in January of 2011. PCWA received a letter from DWR stating their compliance with the requirements of AB1420 on December 29, 2010.

Q12.**ELIGIBILITY**

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project (s) and list the agency(ies) that will implement the project(s).

No, the Antelope Creek Improvement Project is not a groundwater management or groundwater recharge project; the project does, however, have the potential to positively impact groundwater through the recharge of stormwater impounded in Clover Valley Reservoir and behind new weirs on Antelope Creek. The Antelope Creek Improvement Project will be implemented by Placer County Flood Control and Water Conservation District and Placer County Water Agency.

Q13.**ELIGIBILITY**

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section IIIB of the Grant Guidelines?

The proposed project is covered under the Western Placer County Groundwater Management Plan (MWH, November 2007), which was completed in compliance with CWC ?? 10753.7. Both PCFCD (the applicant) and PCWA have consented to be subject to the Western Placer County GWMP, and PCWA has formally adopted the plan.

Q14:**ELIGIBILITY**

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

a) ☐ Yes

b) ☒ No

Q15:**ELIGIBILITY**

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

a) ☐ Yes

b) ☐ No

Q16:
ELIGIBILITY

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

- a) ☐ Yes
b) ☒ No

NOTES TO BMS
ADMINISTRATOR

Provide notes about any potential problems you may have had with BMS that are particular to your application.

Please note that for some of the benefits on the Project Tab, the measure included does not match the default units for the benefits. Where this occurs, the associated benefit description includes the appropriate measure unit.

Section : Application Attachments Tab**APPLICATION ATTACHMENTS TAB****ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY**
REQUIREMENTS

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att1_SWF_PCA_Eligible_1of3.pdf

Upload additional Authorization and Eligibility documentation here.
Last Uploaded Attachments:
Att1_SWF_PAC_Eligible_2of3.pdf

Upload additional Authorization and Eligibility documentation here.
Last Uploaded Attachments:
Att1_SWF_PCA_Eligible_3of3.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL
ADOPTION

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att2_SWF_PCA_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

ATTACHMENT
3: WORK PLAN

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att3_SWF_PCA_WorkPlan_1of4.pdf

Upload additional work plan components here.
Last Uploaded Attachments:
Att3_SWF_PCA_WorkPlan_2of4.pdf

Upload additional work plan components here.
Last Uploaded Attachments:
Att3_SWF_PCA_WorkPlan_3of4.pdf

Upload additional work plan components here.
Last Uploaded Attachments:

Upload additional work plan components here.
Last Uploaded Attachments:
Att3_SWF_PCA_WorkPlan_4of4.pdf

ATTACHMENT 4:
BUDGET

Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att4_SWF_PCA_Budget_1of1.pdf

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

**ATTACHMENT 5:
SCHEDULE**

Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5_SWF_PCA_Schedule_1of1.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

**ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE
MEASURES**

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_SWF_PCA_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

**ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND
BENEFITS**

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_SWF_PCA_DReduc_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

**ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND
BENEFITS**

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_SWF_PCA_WSBen_1of1.pdf

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Section : Application Attachments Tab (cont)**APPLICATION ATTACHMENTS TAB (CONT)****ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED
BENEFITS**

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_SWF_SAC_WQOtherBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

**ATTACHMENT 10: COSTS AND BENEFITS
SUMMARY**

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att10_SWF_PCA_CBSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

ATTACHMENT 11: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att11_SWF_PCA_Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION

Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att12_SWF_PCA_Certfication_1of1.pdf

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

ATTACHMENT 13: STORMWATER RESOURCES PLAN

This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.
Last Uploaded Attachments: Att13_SWF_PCA_Strmrespln_1of1.pdf

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.